

Mineral Industry Surveys

For information, contact:

Daniel L. Edelstein, Copper Commodity Specialist
U.S. Geological Survey
989 National Center
Reston, VA 20192
Telephone: (703) 648-4978, Fax: (703) 648-7757
E-mail: dedelste@usgs.gov

Hema Edupuganti (Data)
Telephone: (703) 648-7951
Fax: (703) 648-7975
E-mail: hedupuganti@usgs.gov

Internet: <http://minerals.usgs.gov/minerals>

COPPER IN JULY 2005

Average daily mine production of copper fell by about 10% in July from that in June, according to data compiled by the U.S. Geological Survey (USGS). ASARCO Incorporated's mines in Arizona, where workers began a strike on July 2 (See Copper in June 2005.) accounted for the large decline. Production for the first 7 months of 2005, however, remained about 8% above that for the first 7 months of 2004. While the USGS had previously anticipated that annual mine production for 2005 would rise to about 1.3 million metric tons (Mt), production is now projected to be about 1.14 Mt and is expected to be slightly lower than that in 2004. In addition to the Asarco strike, unusually heavy rains in parts of Arizona in the first one-half of the year and equipment shortages reduced output. Downstream, average daily smelter production fell by 11%, and average daily refinery production remained essentially unchanged from the depressed level in June. Production of refined copper for the first 7 months of 2005 was about 2% below that for the same period of 2004.

Domestic consumption of refined copper for the first 7 months of 2005 declined by about 120,000 metric tons (t) (9%) from that of the equivalent period of 2004. Despite the decline in consumption, there was a significant shift toward dependence on imported copper for meeting domestic demand. Net imports of refined copper for the first 6 months of 2005 rose to 439,000 t from 268,000 t for the first 6 months of 2004. In the first 6 months of 2004, domestic production and imports of refined copper had been supplemented by a 412,000 t drawdown in domestic inventories. In the first 6 months of 2005, nearly depleted inventories fell by only 36,000 t.

According to the preliminary data compiled by the International Copper Study Group (ICSG) (2005), the market balance for refined copper for the first half of 2005, including revisions to data previously presented, indicated a production deficit of about 219,000 t. This compares with a production deficit of 790,000 t for the same period in 2004. The

combination of lower world consumption, which fell by 2.1% in the first half of 2005 compared with that of the equivalent period of 2004, and total world refined production, which increased by 5.1% over the same period, led to the reduced production deficit. World mine production in the first 6 months of 2005 increased by 4.5% compared with that in the first half of 2004. Production in the first 6 months of 2004, however, was unusually low owing to production disruptions. When comparing the first half of 2005 with the second half of 2004, total mine production decreased by 5.5%.

Update:

Copper prices continued to trend upward, with the COMEX spot prices achieving new record-high average monthly levels in August and September of \$1.72 and \$1.75 per pound of copper, respectively. Stocks of refined copper at the major world metal exchanges at the end of August totaled 119,000 t, an increase of 43,000 t from those held at end of July, but were down by 5,000 t from those held at the end of 2004 and by almost 700,000 t from those at yearend 2003.

As of the end of September, Asarco and the United Steel Workers Union had failed to reach an agreement, and workers remained on strike. Asarco reportedly refused to agree to a provision in the Union's most recent offer that would require any potential buyer of Asarco's operations to recognize the union and negotiate new labor agreements as part of the sale. Asarco reportedly believed that any such successorship clause would devalue the company assets (Barry, 2005).

References Cited

- Barry, Sean, 2005, Asarco, union halt talks as row over successorship continues: American Metal Market, v. 113, no. 37-5, September 23, p. 6.
International Copper Study Group, 2005, Copper—Preliminary data for the 1st half of 2005: Lisbon, Portugal, International Copper Study Group press release, September 9, 1 p.

TABLE 1
SALIENT STATISTICS OF THE COPPER INDUSTRY IN THE UNITED STATES¹

(Metric tons, unless otherwise specified)

	Source table ²	2005			
		2004 ^p	June	July	January - July
Production:					
Primary:					
Mine, recoverable	(2)	1,160,000	97,700 ^r	90,400	688,000
Refinery:					
Electrolytic:					
Domestic and foreign	(4)	671,000	49,100 ^r	54,600	378,000
Electrowon	(4)	584,000	48,100 ^r	46,600	322,000
Total	(4)	1,260,000	97,200	101,000	699,000
Secondary recoverable copper:					
Refineries	(5)	50,800	3,620	3,940	28,400
Ingot makers ³	(5)	91,800	7,650	7,650	53,600
Brass and wire-rod mills	(5)	705,000	56,900 ^r	54,600	403,000
Foundries, etc. ³	(5)	65,200	5,430	5,430	38,000
Smelter, total	(3)	542,000	44,100	40,300	288,000
Consumption:					
Apparent	(8)	2,570,000	185,000	NA	NA
Refined (reported)	(7)	2,410,000	192,000 ^r	193,000	1,310,000
Purchased copper-base scrap	(9)	1,150,000	94,700 ^r	90,300	664,000
Stocks at end of period:					
Total refined	(11)	136,000	100,000 ^r	91,700	XX
Blister, etc.	(11)	51,400	45,200 ^r	36,000	XX
Prices:					
U.S. producer cathode (cents per pound) ⁴	(12)	133.938	167.452	168.484	157.130
Imports: ⁵					
Ores and concentrates ⁶	(14)	22,900	2	NA	NA
Refined	(14)	807,000	64,700	NA	NA
Exports: ⁵					
Ores and concentrates ⁶	(15)	24,200	19,000	NA	NA
Refined	(15)	118,000	4,270	NA	NA

^pPreliminary. ^rRevised. NA Not available. XX Not applicable.

¹Data are rounded to no more than three significant digits, except prices; may not add to totals shown.

²Numbers in parentheses refer to the significant tables where these data are located.

³Monthly data and 2004 cumulative data estimated based on 2003 monthly average.

⁴Source: Platts Metals Week.

⁵Source: U.S. Census Bureau.

⁶Copper content.

TABLE 2
MINE PRODUCTION OF RECOVERABLE COPPER IN THE UNITED STATES¹

(Metric tons)

Period	Recoverable copper			Contained copper		
	Arizona	Others ²	Total	Electrowon	Concentrates ³	Total
2004: ^P						
January - July	408,000 ^r	231,000 ^r	639,000 ^r	339,000	309,000 ^r	648,000 ^r
July	62,000	38,100	100,000	50,700	50,900	102,000
August	62,800	36,200	99,000	49,300	51,200	100,000
September	62,800	36,400	99,200	49,800	50,800	101,000
October	64,200	39,400	104,000	48,900	56,300	105,000
November	61,400	46,500	108,000	47,600	62,100	110,000
December	63,300	45,200	109,000	50,000	60,300	110,000
Year	723,000	435,000	1,160,000	584,000	590,000	1,170,000
2005:						
January	58,500	39,800	98,300	42,400	57,600	99,900
February	54,200	37,500	91,700	40,800	52,400	93,100
March	62,100	43,200	105,000	47,400	59,600	107,000
April	62,000	39,000 ^r	101,000 ^r	47,700	55,000 ^r	103,000
May	65,300	38,100 ^r	103,000 ^r	48,800	56,400 ^r	105,000
June ^r	61,700	36,000	97,700	48,100	51,100	99,200
July	54,400	36,000	90,400	46,600	45,000	91,600
January - July	418,000	270,000	688,000	322,000	377,000	699,000

^PPreliminary. ^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes production from, Idaho, Missouri, Montana, Nevada, New Mexico, and Utah.

³Includes copper content of precipitates and other metal concentrates.

TABLE 3
COPPER PRODUCED AT SMELTERS IN
THE UNITED STATES, BY SOURCE^{1,2}

(Metric tons, copper content)

Period	Anode production
2004: ^P	
January - July	301,000
July	46,500
August	51,300
September	48,000
October	49,200
November	42,300
December	49,900
January - December	542,000
2005:	
January	42,700
February	36,100
March	37,900
April	49,700
May	36,900
June	44,100
July	40,300
January - July	288,000

^PPreliminary.

¹Includes blister, anode and copper from primary or secondary sources.

²Data are rounded to no more than three significant digits; may not add to total shown.

TABLE 4
PRODUCTION OF REFINED COPPER, BY SOURCE AND METHOD OF RECOVERY¹

(Metric tons)

Period	Primary materials			Scrap	Total refined
	Electrolytically refined ²	Electrowon	Total		
2004: ^P					
January - July	377,000	339,000	715,000	29,500	745,000
July	49,200	50,700	99,900	4,080	104,000
August	53,400	49,300	103,000	3,870	107,000
September	57,700	49,800	108,000	4,660	112,000
October	57,400	48,900	106,000	4,540	111,000
November	56,700	47,600	104,000	4,190	109,000
December	69,300	50,000	119,000	4,010	123,000
Year	671,000	584,000	1,260,000	50,800	1,310,000
2005:					
January	54,900	42,400	97,200	4,380	102,000
February	57,400	40,800	98,100	4,380	102,000
March	52,600	47,400	100,000	4,210	104,000
April	53,100	47,700	101,000	4,160	105,000
May	56,100	48,800	105,000	3,750	109,000
June	49,100 ^r	48,100 ^r	97,200	3,620	101,000
July	54,600	46,600	101,000	3,940	105,000
January - July	378,000	322,000	699,000	28,400	728,000

^PPreliminary. ^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²From domestic and foreign source materials.

TABLE 5
COPPER RECOVERABLE IN UNALLOYED AND ALLOYED FORM FROM PURCHASED COPPER-BASE SCRAP¹

(Metric tons, copper content)

Period	Refineries ²		Ingot makers ³		Brass and wire-rod mills		Foundries, etc. ³		Total ⁴
	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2004: ^P									
January - July	9,350	20,100	9,750 ^r	43,800 ^r	401,000	22,500	14,400 ^r	23,600 ^r	545,000 ^r
July	1,340	2,740	1,390	6,260	56,400	2,440	2,060	3,370	76,000
August	1,340	2,540	1,390	6,260	56,800	2,450	2,060	3,370	76,200
September	1,340	3,320	1,390	6,260	55,200	2,690	2,060	3,370	75,600
October	1,340	3,210	1,390	6,260	56,800	2,670	2,060	3,370	77,100
November	1,340	2,850	1,390	6,260	50,500	2,670	2,060	3,370	70,500
December	1,340	2,680	1,390	6,260	48,000	3,300	2,060	3,370	68,400
Year	16,000	34,700	16,700	75,100	669,000	36,300	24,700	40,400	913,000
2005:									
January	1,340	3,050	1,390	6,260	57,700	2,780	2,060	3,370	77,900
February	1,340	3,040	1,390	6,260	54,900	3,110	2,060	3,370	75,500
March	1,340	2,870	1,390	6,260	56,300	2,980	2,060	3,370	76,500
April	1,340	2,820	1,390	6,260	54,200	3,220	2,060	3,370	74,700
May	1,340	2,410	1,390	6,260	54,100	2,550	2,060	3,370	73,500 ^r
June	1,340	2,280	1,390	6,260	54,500 ^r	2,380	2,060	3,370	73,600 ^r
July	1,340	2,610	1,390	6,260	51,800	2,840	2,060	3,370	71,600
January - July	9,350	19,100	9,750	43,800	384,000	19,900	14,400	23,600	523,000

^PPreliminary. ^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Electrolytically refined and fire-refined scrap based on source of material at smelter level.

³Monthly data and 2004 cumulative data estimated based on 2003 annual data.

⁴Does not include an estimate, based on reported 2003 data of 3,040 tons per month from new scrap and 1,830 tons per month of copper recovered from scrap other than copper-base.

TABLE 6
PRODUCTION, SHIPMENTS, AND STOCKS OF BRASS AND WIRE-ROD SEMIFABRICATES¹

(Metric tons, gross weight)

Period	Production		Shipments		Stocks, end of period	
	Brass mills	Wire-rod mills	Brass mills	Wire-rod mills	Brass mills	Wire-rod mills
2004: ^p						
January - July	831,000 ^r	1,070,000	833,000 ^r	1,070,000	XX	XX
July	118,000	143,000	117,000	144,000	54,100	23,900
August	119,000	162,000	118,000	156,000	54,700	29,500
September	113,000	154,000	113,000	148,000	54,500	35,600
October	120,000	135,000	120,000	148,000	54,400	23,000
November	107,000	148,000	108,000	144,000	52,900	26,600
December	100,000	134,000	97,600	130,000	55,300	31,200
Year	1,390,000	1,800,000	1,390,000	1,790,000	XX	XX
2005:						
January	113,000	141,000	114,000	137,000	55,100	35,100
February	109,000	135,000	110,000	134,000	53,300	35,100
March	117,000	135,000	117,000	149,000	53,600	20,600
April	109,000	143,000	112,000	141,000	50,200	22,000
May	111,000	145,000	110,000 ^r	143,000	51,400 ^r	23,500 ^r
June	115,000 ^r	145,000 ^r	116,000	145,000 ^r	50,300 ^r	23,100 ^r
July	109,000	148,000	113,000	140,000	46,300	31,000
January - July	783,000	991,000	792,000	991,000	XX	XX

^pPreliminary. ^rRevised. XX Not applicable.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 7
CONSUMPTION OF REFINED COPPER¹

(Metric tons)

Period and item	Brass mills	Wire-rod mills	Other plants ²	Total
2004: ^p				
January - July	346,000	1,050,000 ^r	36,100 ^r	1,440,000
July	50,900	142,000	5,160	198,000
August	48,500	165,000	5,160	218,000
September	46,100	151,000	5,160	202,000
October	48,200	136,000	5,160	190,000
November	44,700	145,000	5,160	195,000
December	39,200	129,000	5,160	173,000
Year	573,000	1,780,000	61,900	2,410,000
2005:				
January	44,900	145,000	5,160	195,000
February	42,500	129,000	5,160	177,000
March	46,100	134,000	5,160	185,000
April	41,500	143,000	5,160	190,000
May	43,000 ^r	132,000	5,160	180,000
June	46,200 ^r	141,000	5,160	192,000 ^r
July:				
Cathodes	28,000	146,000	881	175,000
Wire bars	--	--	(3)	(3)
Ingots and ingot bars	2,050	--	1,760	3,820
Cakes and slabs	(3)	--	(3)	(3)
Billets and other	12,300	W	2,510	14,800
Total	42,400	146,000	5,160	193,000
January - July	307,000	970,000	36,100	1,310,000

^pPreliminary. ^rRevised. W Withheld to avoid disclosing company proprietary data included with "Cathodes." -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Consumption by ingot makers, chemical plants, foundries, and miscellaneous manufacturers is estimated based on 2003 annual data.

³Withheld to avoid disclosing company proprietary data; included with "Billets and others."

TABLE 8
U.S. APPARENT CONSUMPTION OF COPPER¹

(Metric tons)

Period	Refined copper production	Copper in old scrap ²	Refined general imports ³	Refined exports ³	Stock change during period	Apparent consumption
2004: ^p						
January - June	615,000	106,000 ^r	302,000 ^r	88,200	(421,000) ^r	1,360,000
June	108,000	17,400	40,400	2,720	(58,900)	222,000
July	99,900	16,600	75,600	5,470	(22,800)	209,000
August	103,000	16,400	65,500	9,350	(33,200)	208,000
September	108,000	17,400	73,800	570	(23,100)	221,000
October	106,000	17,300	60,200	3,890	(12,400)	192,000
November	104,000	16,900	75,300	2,460	(7,870)	202,000
December	119,000	17,400	51,100	8,390	(749)	180,000
Year	1,260,000	208,000	704,000	118,000	(521,000)	2,570,000
2005:						
January	97,200	17,200	77,900	4,460	6,350	182,000
February	98,100	17,600	66,500	3,230	(7,110)	186,000
March	100,000	17,300	72,000	2,830	(6,550)	193,000
April	101,000	17,400	63,300	1,900	(4,560) ^r	184,000
May	105,000	16,400	101,000	7,240	(12,000) ^r	227,000 ^r
June	97,200	16,100	64,100	4,270	(11,700) ^r	185,000
July	101,000	16,900	NA	NA	(8,470)	NA
January - June	598,000	102,000	445,000	23,900	(35,500)	1,160,000

^pPreliminary. ^rRevised. NA Not available.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes reported monthly production of copper from old scrap of copper-base, an estimate for annual reporters, and a monthly average of copper from non-copper-base materials based on 2003 data.

³Source: U.S. Census Bureau.

TABLE 9
CONSUMPTION OF PURCHASED COPPER-BASE SCRAP¹

(Metric tons, gross weight)

Period	Smelters and refineries		Ingot makers ²		Brass and wire-rod mills ³		Foundries, etc. ²		Total scrap used
	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2004: ^p									
January - July	9,440	20,200	13,000 ^r	63,700 ^r	505,000 ^r	23,300	25,200 ^r	25,900 ^r	685,000 ^r
July	1,350	2,760	1,850	9,110	71,100	2,620	3,600	3,700	96,100
August	1,350	2,550	1,850	9,110	72,600	2,580	3,600	3,700	97,400
September	1,350	3,290	1,850	9,110	70,300	2,820	3,600	3,700	96,000
October	1,350	3,230	1,850	9,110	71,500	2,810	3,600	3,700	97,200
November	1,350	2,890	1,850	9,110	63,300	2,780	3,600	3,700	88,500
December	1,350	2,700	1,850	9,110	60,300	3,440	3,600	3,700	86,000
Year	16,200	34,900	22,200	109,000	843,000	37,700	43,200	44,400	1,150,000
2005:									
January	1,350	3,080	1,850	9,110	72,400	2,910	3,600	3,700	98,000
February	1,350	3,080	1,850	9,110	69,800	3,280	3,600	3,700	95,800
March	1,350	2,900	1,850	9,110	71,800	3,170	3,600	3,700	97,500
April	1,350	2,850	1,850	9,110	68,400	3,370	3,600	3,700	94,200
May	1,350	2,440	1,850	9,110	68,500	2,710	3,600	3,700	93,300
June	1,350	2,310	1,850	9,110	70,200 ^r	2,550	3,600	3,700	94,700 ^r
July	1,350	2,640	1,850	9,110	65,100	2,980	3,600	3,700	90,300
January - July	9,440	19,300	13,000	63,700	486,000	21,000	25,200	25,900	664,000

^pPreliminary. ^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Monthly data and 2004 cumulative data estimated from 2003 annual data.

³Consumption at brass and wire-rod mills assumed equal to receipts.

TABLE 10
CONSUMPTION OF PURCHASED COPPER-BASE SCRAP^{1,2}

(Metric tons, gross weight)

Scrap type and processor	2004 ^p		2005			
	January - July	Year	May	June	July	January - July
No. 1 wire and heavy:						
Smelters and refiners	40,000 ^r	68,500	5,710	5,710	5,710	40,000
Brass and wire-rod mills	239,000	394,000	30,700 ^r	28,900 ^r	30,800	219,000
No. 2 mixed heavy and light:						
Smelters and refiners	15,500	26,800	1,770	1,630	1,960	14,600
Brass and wire-rod mills	4,250	6,250	487	407	458	3,230
Total unalloyed scrap:						
Smelters and refiners	55,500 ^r	95,300	7,480	7,340	7,670	54,500
Brass and wire-rod mills	243,000	401,000	31,200 ^r	29,300 ^r	31,300	223,000
Red brass: ³						
All plants	23,200 ^r	39,300	3,070	3,180	3,050	22,000
Leaded yellow brass:						
All plants	192,000 ^r	322,000	16,200	16,900	14,300	111,000
Yellow and low brass:						
All plants	24,200 ^r	41,300	13,800	15,900	13,000	103,000
Cartridge cases and brass:						
All plants	20,200 ^r	86,600	7,960	8,350	7,370	55,500
Auto radiators:						
Smelters and refiners	15,600 ^r	26,700	2,230	2,230	2,230	15,600
Bronzes:						
Smelters and refiners	4,900 ^r	8,390	699	699	699	4,890
Brass mills	3,830	6,350	508	479	473	3,260
Nickel-copper alloys:						
All plants	12,200 ^r	20,000	1,690	1,700	1,590	11,300
Low grade and residues:						
Smelters and refiners	7,350 ^r	12,600	1,050	1,050	1,050	7,350
Other alloy scrap: ⁴						
Smelters and refiners	642 ^r	1,100	92	92	92	644
Brass mills	3,050	4,860	359	332	332	2,670
Total alloyed scrap:						
Smelters and refiners	51,900 ^r	89,100	7,420	7,420	7,420	51,900
Brass mills	285,000	480,000	40,100	43,400	36,800	285,000
Total scrap:						
Smelters and refiners	107,000 ^r	184,000	14,900	14,800	15,100	106,000
Brass and wire-rod mills	528,000	880,000	71,300 ^r	72,800 ^r	68,000	507,000

^pPreliminary. ^rRevised.

¹Does not include: consumption by foundries, chemical plants, and miscellaneous manufacturers, estimated to total about 7,300 tons of scrap per month based on 2003 annual data; monthly data include estimates of about 11,000 tons of scrap per month consumed by ingot makers.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Includes composition turnings, silicon bronze, zincy bronze, railroad car boxes, cocks and faucets, gilding metal, and commercial bronze.

⁴Includes refinery brass, beryllium copper, phosphor copper, and aluminum bronze.

TABLE 11
COPPER STOCKS AT END OF PERIOD¹

(Metric tons)

Period	Crude copper ²	Refined copper						Total refined
		Refineries ³	Wire-rod mills ³	Brass mills ³	Other ⁴	Comex ⁵	LME ⁶	
2004: ^p								
July	62,200	6,780	29,700	19,100	4,870	71,700	80,800	213,000
August	65,700	8,640	21,400	22,600	4,870	55,900	66,400	180,000
September	71,600	7,830	15,200	24,900	4,870	44,900	59,000	157,000
October	72,200	9,210	25,200	20,300	4,870	41,300	43,400	144,000
November	70,600	13,100	24,300	18,200	4,870	38,500	37,500	136,000
December	51,400	10,300	20,300	21,500	4,870	43,700	35,000	136,000
2005:								
January	66,100	12,300	24,300	24,100	4,870	41,600	34,900	142,000
February	46,700	10,600	20,800	22,300	4,870	42,500	33,900	135,000
March	42,300	6,820 ^r	25,000	20,900	4,870	39,300	31,500	128,000
April	42,500	8,200 ^r	31,100	20,300	4,870	27,300	32,100	124,000
May	38,200	9,680 ^r	29,600 ^r	19,300	4,870	20,200	28,200	112,000
June	45,200 ^r	5,810 ^r	32,600 ^r	20,600 ^r	4,870	13,900	22,400	100,000 ^r
July	36,000	7,740	29,800	21,100	4,870	9,970	18,200	91,700

^pPreliminary. ^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Copper content of blister and other materials in transit and in process of refining.

³Stocks of refined copper as reported; no estimates are made for nonrespondents.

⁴Monthly estimates based on reported and 2003 annual data, comprising stocks at ingot makers, chemical plants, foundries, and miscellaneous manufacturers.

⁵Commodity Exchange Inc., New York.

⁶London Metal Exchange Ltd., U.S. warehouses.

TABLE 12
AVERAGE PRICE OF COPPER IN THE UNITED STATES
AND ON THE LONDON METAL EXCHANGE

(Cents per pound)

Period	U.S. producers delivered price cathode ¹	Comex first position ²	LME cash price Grade A
2004:			
July	132.078	126.812	127.342
August	133.015	127.752	129.064
September	136.680	131.414	131.283
October	140.273	135.007	136.575
November	146.599	141.333	141.620
December	150.897	145.631	142.633
Year	133.938	128.972	129.958
2005:			
January	150.261	144.995	143.751
February	151.905	146.639	147.544
March	153.946	148.680	153.268
April	154.606	149.340	153.938
May	153.256	147.990	147.331
June	167.452	162.186	159.807
July	168.484	163.218	163.909
January - July	157.130	151.864	152.793

¹Listed as "U.S. producer cathode."

²Listed as "Comex high grade first position."

Sources: Platts Metals Week and American Metal Market.

TABLE 13
NEW YORK AVERAGE BUYING PRICES FOR COPPER SCRAP

(Cents per pound)

Month	Brass mills No. 1 scrap	Refiners No. 2 scrap	Dealers (New York)	
			No. 2 Scrap	Red brass turnings and borings
2004:				
July	125.52	101.33	89.00	55.00
August	126.64	101.73	89.00	55.00
September	127.29	106.19	89.00	55.00
October	130.43	113.38	89.00	55.00
November	135.40	118.15	89.00	55.00
December	139.14	121.00	89.00	55.00
Year	126.41	107.62	86.86	55.14
2005:				
January	139.40	119.50	89.00	55.00
February	139.89	121.67	89.00	55.00
March	142.52	123.43	89.00	55.00
April	143.52	126.00	89.00	55.00
May	138.24	124.76	89.00	55.00
June	137.23	124.82	93.09	59.09
July	153.40	141.60	99.00	65.00
January - July	142.03	125.97	91.01	57.01

Source: American Metal Market.

TABLE 14
U.S. IMPORTS FOR CONSUMPTION OF COPPER (UNMANUFACTURED), BY CLASS¹

(Metric tons, copper content)

Country or territory	Ore and concentrate			Matte, ash and precipitates			Blister and anodes			Refined		
	2005			2005			2005			2005		
	January -			January -			January -			January -		
	2004	June	June	2004	June	June	2004	June	June	2004	June	June
Brazil	--	--	--	--	--	--	--	--	10	15,600	3,000	12,000
Canada	516	2	2	99	29	69	75,500	7,960	43,200	278,000	28,000	155,000
Chile	--	--	--	--	--	--	48,900	3,560	20,100	311,000	16,700	175,000
Germany	--	--	--	--	--	38	--	--	--	21,000	1,810	14,100
Japan	--	--	--	(2)	--	--	19	--	(2)	4,380	684	2,780
Mexico	22,400	--	204	206	--	37	8,630	953	3,490	19,300	3,010	27,000
Namibia	--	--	--	--	--	--	7,710	--	--	--	--	--
Peru	--	--	--	--	--	--	10,200	--	--	152,000	11,200	73,600
Taiwan	--	--	--	1,330	90	613	--	--	--	(2)	--	--
Other	--	--	--	45	--	97	16 ^r	--	--	6,120 ^r	371	2,980
Total	22,900	2	206	1,680	119	854	151,000	12,500	66,700	807,000	64,700	463,000

^rRevised. -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 15
U.S. EXPORTS OF COPPER (UNMANUFACTURED), BY CLASS¹

(Metric tons, copper content)

Country or territory	Ore and concentrate			Matte, ash and precipitates			Blister and anodes			Refined		
	2005			2005			2005			2005		
	January -			January -			January -			January -		
	2004	June	June	2004	June	June	2004	June	June	2004	June	June
Belgium	6	--	39	45	--	37	1,320	--	675	998	--	49
Canada	18,200	1,390	8,540	18,800	1,320	10,300	22,400	1,200	10,800	2,230	150	1,350
China	2,340	11,900	32,300	52	1,180	3,960	307	--	181	23,900	2,690	12,400
Costa Rica	--	--	3	--	--	--	--	--	--	1,300	--	1
Germany	32	--	--	23	(2)	15	1,880	40	489	70	--	133
Hong Kong	229	--	2	12	--	1	3,410	246	1,580	11	--	--
India	56	--	149	21	--	1	164	14	41	2,940	840	4,250
Italy	--	--	--	--	--	18	1,570	357	2,030	21,100	--	14
Japan	2,510	5,740	10,400	122	--	68	705	195	1,190	66	--	5
Korea, Republic of	23	--	1	8	--	--	8,910	35	238	5,060	8	83
Mexico	115	--	6,380	2,650	7	419	221	202	381	20,500	9	4,830
Saudi Arabia	--	--	--	--	--	--	--	--	11	7,840	--	--
Singapore	--	--	19	19	5	15	654	40	289	39	--	13
Spain	308	--	1,570	--	--	--	347	20	100	--	--	--
Sweden	--	--	--	--	--	--	399	--	1,040	3	--	--
Taiwan	109	--	--	5	1	1	1,320	78	857	29,000	--	55
United Arab Emirates	5	--	--	5	--	--	669	3	67	--	3	4
United Kingdom	37	--	21	87	--	33	474	20	124	590	27	71
Other	269 ^r	32	108	244 ^r	4	53	1,680 ^r	90	304	2,610 ^r	550	705
Total	24,200	19,000	59,500	22,100	2,520	14,900	46,400	2,540	20,400	118,000	4,270	23,900

^rRevised. -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 16
U.S. COPPER SCRAP IMPORTS¹

(Metric tons, gross weight)

Country or territory	Unalloyed			Alloyed		
	2005			2005		
	January-			January-		
	2004	June	June	2004	June	June
Canada	6,370	484	3,280	44,500	3,660	22,800
China	1	--	--	448	23	52
Costa Rica	1,400	191	927	516	47	183
Dominican Republic	446	--	69	432	--	223
Germany	48	26	32	1,130	(2)	(2)
Guatemala	271	--	37	1,050	143	714
Honduras	1,430	121	916	625	42	274
Jamaica	429	23	140	182	10	57
Japan	65	3	20	145	--	82
Mexico	10,300	1,360	5,460	22,100	2,310	12,100
Taiwan	--	--	--	1,480	--	75
United Kingdom	554	20	140	1,030	99	361
Other	2,130	165	968	4,630	503	3,860
Total	23,400	2,390	12,000	78,300	6,830	40,900

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 17
U.S. COPPER SCRAP EXPORTS¹

(Metric tons, gross weight)

Country or territory	Unalloyed							Alloyed				
	2005							2005				
	2004	No. 1		No. 2		Other		2004	Segregated		Unsegregated	
		January-		January-		January-			January-		January-	
		June	June	June	June	June	June		June	June	June	June
Belgium	3,850	--	--	--	--	98	361	8,200	64	725	400	2,610
Canada	33,300	--	--	--	--	2,230	13,500	15,000	280	1,780	984	4,490
China	222,000	8,490	40,900	9,600	56,900	7,060	29,500	239,000	8,240	51,000	5,490	33,600
Germany	8,830	40	444	--	--	592	4,820	13,800	106	1,170	457	4,130
Hong Kong	3,910	273	2,300	317	1,240	40	352	11,000	328	2,290	597	4,400
India	4,160	17	282	20	240	353	2,090	45,100	1,020	8,930	19	724
Japan	7,930	--	--	9	626	367	3,050	9,660	316	2,900	173	1,190
Korea, Republic of	22,400	470	3,210	824	5,710	664	5,430	16,300	749	6,000	--	1,500
Mexico	4,560	--	--	--	200	19	195	1,570	116	271	14	157
Spain	37	--	--	20	138	--	--	2,740	100	228	116	1,020
Taiwan	11,300	205	615	588	3,570	562	1,960	13,700	498	3,750	209	781
Thailand	--	--	--	--	--	162	441	1,250	19	312	--	--
United Kingdom	34	--	--	--	--	19	107	4,560	20	99	190	1,830
Other	2,990	19	324	--	--	--	--	7,210	185	3,860	257	811
Total	325,000	9,510	48,100	11,400	68,600	12,200	61,800	389,000	12,000	83,300	8,900	57,200

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.